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### **UNITED STATES** DEPARTMENT OF THE INTERIOR

Indian Agency	MARIO
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GEOLOGICAL SURVEY

Lean No. 11-20-603-305

### SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL  NOTICE OF INTENTION TO CHANGE PLANS  NOTICE OF INTENTION TO TEST WATER SHUT-OFF  NOTICE OF INTENTION TO REDRILL OR REPAIR WELL  NOTICE OF INTENTION TO SHOOT OR ACIDIZE  NOTICE OF INTENTION TO PULL OR ALTER CASING  NOTICE OF INTENTION TO ABANDON WELL	 SUBSEQUENT REPORT OF WATER SHUT-OFF	*
	JRE OF REPORT, NOTICE, OR OTHER DATA)	\ <b></b>

"isva to			December 14	, 19 <u>55</u>
•	ocated 750 ft.	from ${S \atop S}$ line	and 760 ft. from	line of sec. 10
TE SK SK Sec. 10	<b>L4</b> 5	21.8	S. L. D.	•••
(¼ Sec. and Sec. No.)	(Twp.)	(Range)	(Meridian)	
Mildeot - Chinle Va	sh San	Juan	<b>Than</b>	
(Field)	(Cor	unty or Subdivision)		e or Territory)
	Acres de la companya del companya de la companya del companya de la companya de l			

The elevation of the derrick floor above sea level is 5129 ft.

### **DETAILS OF WORK**

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Perforeted Merness-Paradox Francition Fone 5035-5070' h holes per ft by Lane Wells. Symbbed some water with soun brown oil. Acidised perfe wit: 500 gals. Dowell NY32, 320 2000 gals. Jel 8500, 1500 gals. SP 32, flushed with 21 1/2 bbls. water, no break down, max pressure 1:2000, avg rate 1 1/2 bpm. Flowed back treatment water, said fluid, 35 emulsion and sait water and oil. 1:2/12 sumbbed 5:2 1/2 bbls. oil 2:2 1/2 bbls. water. on 19/13/55 - 7 a.m. to 9 a.m. smalled 17 bbls. oil 5 lbls. water. 9 a.m. to 5 p.m. smalled 66 bbls. dry oil. fill up - 1000' every ?h mine.

I understand th	hat this plan of work must receive approval in writing	by the Geological Survey before operations may be commenced.
Company	The Ohio Oil Company	
Address	Casper, Wroning	COFY (ORIGINAL SIGNED) M. J. BOYCE
		Title Mylsion Superintendent



Budget Bureau No. 42-R-359.3. Approval expires 12-31-55.

Indian Agen	Navajo
	Council.

## UNITED STATES DEPARTMENT OF THE INTERIOR

**GEOLOGICAL SURVEY** 

NOTICE OF INTENTION TO DRILL NOTICE OF INTENTION TO CHANGE PLANS NOTICE OF INTENTION TO CHANGE PLANS NOTICE OF INTENTION TO TEST WATER SHUT-OFF NOTICE OF INTENTION TO REST WATER SHUT-OFF NOTICE OF INTENTION TO REST WATER SHUT-OFF NOTICE OF INTENTION TO SHOOT OR ACIDIZE NOTICE OF INTENTION TO SHOOT OR ACIDIZE NOTICE OF INTENTION TO SHOOT OR ACIDIZE NOTICE OF INTENTION TO BULL OR ALTER CASING NOTICE OF INTENTION TO BULL OR ALTER CASING NOTICE OF INTENTION TO BULL OR ALTER CASING NOTICE OF INTENTION TO ABANDON WELL  (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)    December 11	SU		· · · · · · · · · · · · · · · · · · ·	il			
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County or Subdivision)  (State or Territory)	· · ·		435	21B		•	
(Field) (County or Subdivision) (State or Territory)  grd  ne elevation of the derrick floor above sea level is 5118 ft.  DETAILS OF WORK  ate names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, ceming points, and all other important proposed work)  rforated Paradox 5120-15 with 25 shots. Acidized, packer at 5068 KB,  D gals. FF 32 followed by 2000 gals. Jel X500 followed by 1500 gals. WF32  ushed with 21 bbls. water. Started in 1/2 bpm 3100%, broke to 2000 w/one		No.)					
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# UNITED STATES DEPARTMENT OF THE INTERIOR

	Budget l Approva	Bureau No. 42–R–359.3. 11 expires 12–31–55.
	Indian Agency	?lavajo
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		GEOL	OGICAL SURVEY	ı	ease No. 11 - Com	603-385
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	SUNDRY	NOTICES A	AND REPOR	TS ON	WELLS	) N
NOTICE OF INTEN	ITION TO DRILL		SUBSEQUENT REPO	RT OF WATER SH	UT-OFF	
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	ITION TO PULL OR AL		SUPPLEMENTARY W	ELL HISTORY		
NOTICE OF INTER	ITION TO ABANDON W	Y ELL				
	(INDICATE	ABOVE BY CHECK MARI	K NATURE OF REPORT, NOT	CE, OR OTHER DA	TA)	
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(% Sec. and	-	(Twp.) S <b>an Juan</b>	(Range)	(Meridian)	 <b>-</b>	
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ne elevation	or this deliner		- · · · · · · · · · · · · · · · · · · ·			
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# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

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(F)	of the derrick flow and expected depths to object Set retainer gals 3732, 20 Last swab run 6000 gals. S	(County or Subground)  Of above sea level is  DETAILS  ective sands; show sizes, we ing points, and all other is  at 5020 perfollowing points, and all other is  at 50	odivision) s 5118 ft.  OF WORK sights, and lengths of important proposed and 1500 g	proposed casings; ir work)  Ox 1980-500  Gls IF3?	dicate mudding  5', acidi  3 bpm 520  Reacidi  72 bra. b	sed v/5 0 to 30 sed wit
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Casper, Wyoming February 24, 1956

State of Utah Oil and Gas Conservation Commission Salt Lake City 14, Utah

Gentlemen:

Enclosed please find sundry notices filed with the U. S. G. S. covering drilling and other work done on our Navajo Well #1 located in Sec. 10, T. 43 S., R. 21 E., San Juan County, Utah. We are sorry that you were not sent copies of these papers sooner.

We would appreciate your sending us a book on your Commission regulations, this office c/o M. J. Boyce.

Yours very truly,

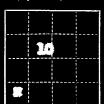
M. J. BOYCE

MJB:c





Form 9-331 l (April 1952)



### (SUBMIT IN TRIPLICATE)

# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

ndian Agency	
Tribal Council	
Allottee Tricel	
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SUNDRY NOTICES A	AND REPORTS ON WELL	LS
NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	i il	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		
NOTICE OF INTENTION TO POLE OR ALTER CASING	I 7	
(INDICATE ABOVE BY CHECK MAR	S NATURE OF REPORT, NOTICE, OR OTHER DATA	
(1000)		10 51
RAVAJO	April 1),	, 19.2
Vell No. 1 is located 750 ft. fr	21-4	e of sec.
(14 Sec. and Sec. No.) (Twp.)  Chinle teach Sec. 1200	(Range) (Meridian)	
	y or Subdivision) (State or Terr	ritory)
Shinarump - 1750'; Outler - 1875'; Leaser Hermona 5265'; Leadville Oure Set and Coment approximately 900' Set and Coment approximately 5750' is found. Furforate if necessary 3	Upper Mermosa - 3050'; strates 6 - 9560'; Dert - 5989'; Casing 10-7/1" - 50.5# - J-55 Casing -7" - 21# - J 6 % Casing if	- 1710'; trian - 5750 Freduction
I understand that this plan of work must receive approval in	writing by the Geological Survey before operations m	av be commenced.
ompany 1997 August 1997		
ddress San 120		
Casper, by maing	Ву //	1 1 1 1
	Till Production Sales	

MAY 1 5 1954 APPROVED & DISTRICT PNCINEER

### (SUBMIT IN TRIPLICATE)

### **UNITED STATES** DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

Appro	val expi	res 12-	31-52.	
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Allottee	Fil	al.		
Lease No				

		TICES A			· WELL		
NOTICE OF INTER	NTION TO DRILL		SUBSEQUENT	REPORT OF WATER	SHUT-OFF		
	ITION TO CHANGE PLANS			REPORT OF SHOOT	ING OR ACIDIZIN	G	
NOTICE OF INTER	ITION TO TEST WATER SHUT	r-off	SUBSEQUENT	REPORT OF ALTER	ING CASING		
NOTICE OF INTER	ITION TO REDRILL OR REPA	IR WELL	SUBSEQUENT	REPORT OF REDRI	LLING OR REPAIR		
NOTICE OF INTEN	ITION TO SHOOT OR ACIDIZ	Ξ	l l	REPORT OF ABAND			
	ITION TO PULL OR ALTER C		SUPPLEMENTA	RY WELL HISTORY	erios o	12 1 14	<b>X</b>
NOTICE OF INTE	NTION TO ABANDON WELL					•	
	(INDICATE ABOVE	BY CHECK MARK	NATURE OF REPORT	, NOTICE, OR OTHE	R DATA)		
			•			,	19
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	. 10	436		a self			
(¼ Sec. an	d Sec. No.)	(Twp.)	(Range)	(Meridian)			
Chilelia id	11/1/16		<b>\$3</b>		Tub.		
(Fi	ald)	(County	or Subdivision)		(State or Territo	ory)	
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	Procured our	eco meta:	ati yu	for 1 ites	<b></b>		
	belling of 13	93° in <b>e</b> wn	dy sire.ks.				
I understand the	at this plan of work must re		writing by the Geol	ogical Survey befor	re operations may	be comm	enced.
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Tuchust Lon

(A)	(April 1952)						

### **UNITED STATES** DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

i-blinger or or or or
Indian Agency
rie con
Allottee
Lease No.

	SUNDRY	NOTICES	AND REI	ORTS ON	WELLS	
	ENTION TO DRILL				JT-OFF	
	ENTION TO CHANGE PLA				OR ACIDIZING	
	ENTION TO TEST WATER				CASING	
	ENTION TO REDRILL OR				G OR REPAIR	
	ENTION TO SHOOT OR AC ENTION TO PULL OR ALT				ENT	
	ENTION TO POLL OR ALI ENTION TO ABANDON WE		1 11.5	TARY WELL HISTORY		Age:
NOTICE OF INTE	-NITON TO ABANDON WE	LL				
	, (INDICATE	ABOVE BY CHECK M	ARK NATURE OF REPO	RT, NOTICE, OR OTHER DA	ra)	
			••••		, 19	
Well No	is locat	ed 160 ft.	from ${\mathbb{S}}$ line a	nd 160 ft. from	$\{ egin{array}{c} \mathbf{E} \\ \mathbf{W} \end{bmatrix}$ line of sec.	Ü
	e. 10	LOS.				
(% Sec. at	nd Sec. No.)	(Twp.)	(Range)	(Meridian)		
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state names of an	is it liked to be a second by the second by	jective sands; shoving points, and	in. In 19:	ngths of proposed casings roposed work)	indicate mudding jobs, co	
	Americal B	a long on the	at at 300	In Live A	•	
	selle,	1393° in 6	and the late			
I understand th	at this plan of work mu	ist receive approva	l in writing by the Ge	ological Survey before op	erations may be commence	od.
ompany	7 m (Ma) ()	A Coupling				
ddress	to the Press 2	20				
	Company Sylve			By 11/2	Bodie -	

# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Indian Agency
Allottee
Lease No.

SUNDRY NOTICE	S AND REPORTS ON WELLS
NOTICE OF INTENTION TO TEST WATER SHUT-OFF  NOTICE OF INTENTION TO REDRILL OR REPAIR WELL  NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.  SUBSEQUENT REPORT OF ALTERING CASING
(INDICATE ABOVE BY CHECK	C MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)
	ft. from $\{S\}$ line and $\{G\}$ line of sec.
(4 Sec. and Sec. No.)  Wildcat  (Field)	County or Subdivision)  Salt Lemeidian  (State or Territory)
	ETAILS OF WORK
Coment Pluge: No. Sack	now sizes, weights, and lengths of proposed casings; indicate mudding jobs, cemented all other important proposed work)
#1 6100 - 6250 60 #2 5800 - 5950 60 #3 1900 - 5100 80 #4 1000 - 1200 80 #5 2150 - 2300 60 #6 1750 - 2000 100 #7 850 - 950 10 #8 2 - 10 10	
ARTICLE SECTION AND ADDRESS OF THE SECTION ADDRESS	val in writing by the Geological Survey before operations may be commenced.
ompany THE ONLO OIL COMPANY	
Durango, Colorado	By URLL THIMAN
	Tid. Genloctet



# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Budget Bureau No. 42-R359.2. Approval expires 12-31-52.

Tribal Council

Tribal

Allottee

Lease No. 14 A M

### SUNDRY NOTICES AND REPORTS ON WELLS

		OTICES	AND	CLI U	KIS ON		A TANK A TANK
NOTICE OF INTE	NTION TO DRILL		SUBS	EQUENT RE	PORT OF WATER S	HUT-OFF	
	NTION TO CHANGE PLAN				PORT OF SHOOTING		
	INTION TO TEST WATER				PORT OF ALTERING		
	NTION TO REDRILL OR I		, 11				
	NTION TO SHOUT OR ACT						
	NTION TO ABANDON WE		Re	ort of	WELL HISTORY	rface car	ing x
	(INDICATE A	BOVE BY CHECK MA					
Well No		ed 760 ft.			760 ft. from		of sec. 10
(¼ Sec. an	ad Sec. No.)	(Twp.)	(Range)		(Meridian)		
Chinle W	ed)	Sen J	uen		Ut	ah	
State names of an	Drilled to 6 landed lis 9 regular bulk by HOWCO. Treturns.	95' in she " below KB cement, 2	le. Ran , shoe a % calciu	895 <b>.27</b> t 890' m Chlor	, J-55, L KB. Cemen ide in las	0.5#, 8rd ted with t 100 sec	thd casin 390 sacks
5-11-51 5-15-51	Pressured su	rface casi	ng with	500# fo	r 1 hr., 0	K.	
5-15-54	Drilling st	1 <b>3</b> 93' in <b>s</b>	andy sha	ie.			
					16.10		
I understand th	at this plan of work mu	st receive approva	in writing by	the Geologic	al Survey before o	perations may l	se commenced.
ompany	The Ohio (h	Company					
		- coapary					
ddress							
ddress		20		Ву	21/27	Deeg a	. 15

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### (SUBMIT'IN TRIPLICATE)



Budget Bureau No. 42-R359.2. Approval expires 12-31-52.

4. Indian Agency Navaje

Tribal Council

Allottee Tribal

# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Lease No. 17 2 15 360

SUNDRY	NOTICES A	ND REPORTS ON WEL	LS
NOTICE OF INTENTION TO DRILL. NOTICE OF INTENTION TO CHANGE NOTICE OF INTENTION TO REDRIL NOTICE OF INTENTION TO SHOOT NOTICE OF INTENTION TO PULL OF NOTICE OF INTENTION TO ABANDO	E PLANSATER SHUT-OFFL OR REPAIR WELL OR ACIDIZER ALTER CASING	SUBSEQUENT REPORT OF ALTERING CASING SUBSEQUENT REPORT OF REDRILLING OR REP SUBSEQUENT REPORT OF ABANDONMENT	ZING
(INDIC	ATE ABOVE BY CHECK MARK N	ATURE OF REPORT, NOTICE, OR OTHER DATA)	
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(¼ Sec. and Sec. No.)	(Twp.)	Range) (Meridian)	
hinle rash	San Juan	Utah	
	und	Subdivision) (State or Ter	ritory)
he elevation of the terms	<b>PAGG</b> above sea leve	l is <b>5130.1</b> ft.	
	DETAIL	S OF WORK	
tate names of and expected depths		weights, and lengths of proposed casings; indicate in important proposed work)	mudding jobs, comen
Shinarump - 1750*; Co Lower Hermosa 5285*; Set and Cement approp Set and Cement approp	utler - 1875; Up Leadville Ourey ximately 900; - 1 ximately 6750; -	per Hermosa - 3850'; Paradox - 5580'; Elbert - 5985'; Cam 0-3/4" - 40.5# - J-55 Casing 7" - 23# - J & N. Casing if un 2-7/6" - 6.5# - EUE Tubin	- 4710°; brian - 6750
		\$	
			n f
I understand that this plan of work	k must receive approval in wri	ting by the Geological Survey before operations m	ay be commenced.
mpany Tile salle 11	, C. SPARY		
ldress F.O. Box 120	}		
Casper, Wyom	ding	Ву	
		Title Production Super	



### **UNITED STATES** DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Indian Agency Navajo Tribal Council

Allottee Tribel No. 14-20-603-385

L3S (Twp.)	213 (Range)	S.L.M. (Meridian) Utah	
435	213	S.L.M.	
1.20	912	(**)	
it. fro	$m \left\{ \begin{array}{c} S \end{array} \right\}$ line and	1.760 ft. from $\{\overline{\mathbf{W}}\}$ line of	sec. 10
760	(MCC)		
		May 26, 1994	19
BY CHECK MARK	NATURE OF REPORT	, NOTICE, OR OTHER DATA)	
ASING	SUPPLEMENTA	RY WELL HISTORY	
E	SUBSEQUENT	REPORT OF ABANDONMENT	
IR WELL	SUBSEQUENT	REPORT OF REDRILLING OR REPAIR	
	ll .		
	i i		
	F-OFF	SUBSEQUENT SUBSEQUENT SUBSEQUENT SUBSEQUENT SUBSEQUENT SUBSEQUENT SUBSEQUENT SUPPLEMENTA SUPPLEMENTA SUPPLEMENTA	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING SUBSEQUENT REPORT OF ALTERING CASING SUBSEQUENT REPORT OF REDRILLING OR REPAIR SUBSEQUENT REPORT OF ABANDONMENT SUPPLEMENTARY WELL HISTORY BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

### **DETAILS OF WORK**

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Core #1: 1855-1868', rec. 12 1/2' = 55-62 1/2' siltstone, shaley sand; 62 1/2-63 1/2', sand, white, medium grained; 63 1/2 - 68', siltstone, shaley sand.

DST #1: 1878-1896', open 1', SI 15", good air blow about 30 mins., sterted to wanken end of test. Recovered 1620' fresh water. F. 170-690#, St. 860#.

5/25/9 Delg. at 28461.

I understand	that this plan of work must receive approval in writing	by the Geological Survey before operations may be commenced.
	The Chic Oil Company	
Address	P. O. Box 120	
	Camper, Wyoning	By M. Beyoup
		Title Division Superintendent of Production

# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Approval expires 12-31-52.
Indian Agency Navajo
Tribal Council
Tribal

Lease No. 14-20-603-385

### SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF	INTENTION TO CHANGE P	R SHUT-OFF	SUBSEQUENT RI	EPORT OF WATER SHUT-OF EPORT OF SHOOTING OR A EPORT OF ALTERING CASIN	CIDIZING	1
	INTENTION TO REDRILL (			PORT OF REDRILLING OR		
	INTENTION TO SHOOT OR			PORT OF ABANDONMENT.		
	INTENTION TO ABANDON		SUPPLEMENTAR	Y WELL HISTORY		- X
	THE ENTIRE TO ADAILDON	**				
	(INDICAT	E ABOVE BY CHECK MARI	K NATURE OF REPORT, N	OTICE, OR OTHER DATA)		
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Well No.	is loc	ated 760 ft. fr	$\operatorname{fom} \left\{ \begin{array}{c} \mathbb{N} \\ \mathbb{S} \end{array} \right\}$ line and	760 ft. from W	line of sec.	10
Nes Is	Sec. 10 ec. and Sec. No.)	438	218	S.L.M	1. 1. 10	2 1
			(Range)	(Meridian)		The second second
Wilde	17.	San	Juan	Utah		_
	**********		~			
	(Field)		y or Subdivision)	(State or	r Territory)	
The elevat	(Field)	(County		(State or	and s aga	LOGICAL SUR!
he elevat	(Field)	floor above sea le			and s aga	LOGICAL SURT
	(Field) ion of the derrick	(County floor above sea le DETA	evel is 5130 ft.	ungraded grou	end J. S. GEO FARMY	HETON
itate names (	(Field) ion of the derrick	floor above sea le  DETA  Objective sands; show sing points, and all	evel is 5130 ft.  ILS OF WORK  zes, weights, and length other important propos	ungraded grouss of proposed casings; indicated work)	end J. S. GEO FARMY	HETON
State names o	(Field) ion of the derrick of and expected depths to	floor above sea le  DETA  Objective sands; show sing points, and all con.	evel is 5130 ft.  ILS OF WORK  zes, weights, and length other important propos  mad, through	ungraded grouss of proposed casings; indicated work)	FARMY	HETON
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5/13/34 5/13/34 5/13/34	ion of the derrick of and expected depths to Lost circulat orld to hold orld ist plug w/600%. Cesne	floor above sea le  DETA  Objective sands; show sing points, and all distance in the sand sing points and all distance in the sand sing points and sing points and all distance in the sand sing points and sing points are sing points and sing points and sing points and sing points are sing points and sing points and sing points are sing points are sing points are sing points and sing points are si	evel is 5130 ft.  ILS OF WORK  zes, weights, and length other important propos  mad, through  ction. Set 1  smeart. Drid  cks, 30 sacks  turns. Squeen	ungraded grouss of proposed casings; indicated work) 5/10. 50 sack cereent	end S GEO FARMY cate mudding jobs, c plug. WCC.	ement-
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5tate names ( 17/94 5/13/94 6/15/94 5/17/94	ion of the derrick  and expected depths to  Lost circulat  arid. to hold  brid ist plug  w/600%. Cesse  brid plug to  no pressure of	floor above sea le  DETA  objective sands; show sing points, and all districtions. Mixing if  1 lost circulation w/150 sand service w/150 sand service transfer circulation.  P 3690' Regions	evel is 5130 ft.  ILS OF WORK  Zes, weights, and length other important propos  and, through  ction. Set 1  sment. Drld  cks, 30 sacks  turns. Squeen  . VOC	ungraded grouss of proposed casings; indicated work) 5/10. 50 sack cerent 10', tested plusquessed. 2ed 500 sacks cereit	end S. GEO FARMS  FARMS  Plug. WCC.  g. lost circ	ement-
5(13/5), 5/13/5), 5/15/5), 5/17/5), 5/18/5), 1 understan	ion of the derrick  and expected depths to  Lost circulat  arid. to hold  brid ist plug  w/600%. Cesse  brid plug to  no pressure of	floor above sea le  DETA  objective sands; show sing points, and all distring in the circulation. Sizing in the circulation of the circulation of the circulation. Second with the circulation. The circulation of the circulation of the circulation of the circulation.	evel is 5130 ft.  ILS OF WORK  Zes, weights, and length other important propos  and, through  ction. Set 1  sment. Drld  cks, 30 sacks  turns. Squeen  . VOC	ungraded grouss of proposed casings; indicated work)  5/10.  50 sack cement  10', tested plusquessed.	end S. GEO FARMS  FARMS  Plug. WCC.  g. lost circ	ement-
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Navajo

Indian Agency

Tribal Council

Tribal

14-20-603-385

# Form 9-331 b (April 1952)

### (SUBMIT IN TRIPLICATE) **UNITED STATES**

### DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

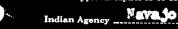
	SUNDRY NOTIC	ES AND REP	ORTS ON WEI	LLS
NOTICE OF INTE	ENTION TO DRILL	SUBSEQUENT	REPORT OF WATER SHUT-OFF	
NOTICE OF INTE	ENTION TO CHANGE PLANS	SUBSEQUENT	REPORT OF SHOOTING OR ACIE	DIZING
	ENTION TO TEST WATER SHUT-OFF	1 - 1	REPORT OF ALTERING CASING.	
	ENTION TO REDRILL OR REPAIR WEL		REPORT OF REDRILLING OR RI	PAIR
	ENTION TO SHOOT OR ACIDIZE		REPORT OF ABANDONMENT	
	ENTION TO PULL OR ALTER CASING		ARY WELL HISTORY	
NOTICE OF INTE	ENTION TO ABANDON WELL	Cores 8	2 957	
	(INDICATE ABOVE BY CH	ECK MARK NATURE OF REPORT	, NOTICE, OR OTHER DATA)	
		•	July 13	, 19 <u>54</u>
Here to				
Vell No. 1	is located 760	ft. from $S$ line an	d 760 ft. from $\left\{\begin{matrix} X \\ W \end{matrix}\right\}$ I	ine of sec. 10
MASHAN S	10 h33 nd Sec. No.) (Twp.)	Cle (Range)	(Meridian)	
Wild out		Julia	(Marking)	2.4
173.5	ield)	(County or Subdivision)	(State or T	erritory)
tate names of an	nd expected depths to objective sands ing points	DETAILS OF WOR		Enn WIN CTAN A
	870-95', rec. 25' -			
are 13s b	895-4920', rec. 25'	lime and shale, l	ittle freeturing,	very little od
tero As b	920-4969', recov 49' and brown	- 35-60°, little to gray.	bleeding. Lines	tone, crystalli
er /2: 40 to F.	89-5013', open 1 1/2 end of test. Recov 0-175%.	, SI 15, week b 15 of alightly	dow to fair blow to cil out drlg. mad.	hich continued HH 2300-2500
I understand th	at this plan of work must receive ap	oproval in writing by the Geol	ogical Survey before operations	may be commenced.
	The Ohio Oil Com			
ddress	P. O. Box 120			

TitleDivision Superintendent of Production

APPROVED JUST ACTING DISTRICT ENGINEER DE

(SUBMIT IN TRIPLICATE)

# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY



Tribal Council

Allottee Tribel

Lease No. 14-20-603-365

### SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF	INTENTION TO DRILL		SUBSEQUENT RE	PORT OF WAT	ER SHUT-OFF		
NOTICE OF	INTENTION TO CHANGE PL	ANS	SUBSEQUENT RE	ORT OF SHO	OTING OR ACIDIZING		
	INTENTION TO TEST WATER		SUBSEQUENT RE	ORT OF ALT	ERING CASING		
	INTENTION TO REDRILL OF				RILLING OR REPAIR.		
	INTENTION TO SHOOT OR		1		NDONMENT		
	INTENTION TO PULL OR AL INTENTION TO ABANDON W		Coring Ar		RY		
NOTICE OF	MILITION TO ABANDON I	ELL					
	(INDICATE	ABOVE BY CHECK MARK	K NATURE OF REPORT, NO	TICE, OR OTH	IER DATA)		
· N	evajo		Ju	ly 13		. 19 💆	
Well No. 1	is loca		(* )		( )	of sec. 10	
(1/4 80	ec, and Sec. No.)	(Twp.)	(Range)	(Meridian	5 [D]		
W11d	cet	San Ju			Tech I		
	(Field)	(County	y or Subdivision)		(State or Territor	"JUL 15 18	j54
The elevat	ion of the derrick f	loor above sea le	vel is 51.30 ft.	ungrade	The second secon	OCOLOGICAL	
						ARMINGTON, N	
		DETA	ILS OF WORK				
State names o	of and expected depths to o	bjective sands; show siz ing points, and all	zes, weights, and lengths other important propos	of proposed c ed work)	asings; indicate muc	ding jobs, cemen	;-
ore #5:	5052-5078', rebig vuggs hold thinning out that 5045'.	ling oil, but	were not conn	ected.	Next 8: lin	a graduall	y
	DST #3: Johnso cut drlg. mud had fair to we	in, 5031-5078 in drill coll ack blow.	, open 1', SI Lars, 2 1/4".	15", FI	cov 105' ga 5∰, F. 0-0∰,	e and oil SI h50#,	
	TST #h: 5075-9 F. O#, SI 275#	225', open 1' , Hit 2750#.	, SI 15", wee	k blow,	recov 70° d	rlg, má,	
I understan	d that this plan of work n	nust receive approval in	n writing by the Geologic	cal Survey be	fore operations may	be commonced.	
	The Chio						
ddress	P. O. Box	120					
	Casper, W	yoning	Ву	COP)	ORIGINAL ER M. I. BOYCE	NED)	
							_

**UNITED STATES** 



Indian Agency \_\_\_ Mavaje

Tribal Council

Budget Bureau No. 42-R359.2. Approval expires 12-31-52.

Allottee Tribal

Lease No. 14-20-603-385

### DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

### SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING.
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY.
NOTICE OF INTENTION TO ABANDON WELL.	Coring & Plagging-

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Nevajo		Aı	igust 23,	, 19. <b>51.</b>
Well No. 1 is loc	cated 760 ft	. from ${S \atop S}$ line	and <b>760</b> ft. from $\left\{\begin{matrix} \mathbf{X} \\ \mathbf{W} \end{matrix}\right\}$ line	e of sec. 10
MESUST Sec. 10	138	215	3.1.4.	
(14 Sec. and Sec. No.)	(Twp.)	(Range)	(Meridian)	
Wildest	San	Juan	Utah	
(Field)	<b>(</b> Co	unty or Subdivision)	(State or Terri	tory)

The elevation of the derrick floor above sea level is 5130 ft.

### **DETAILS OF WORK**

(State nar	nes of and expected dep	oths to objective sar ing poi	nds; show sizes, we nts, and all other i	ights, and leng mportant prop	ths of proposed ca osed work)	sings; indicate	mudding jobs, o	ement-
Core #6: Core #7:	56361-56691 63891-64031	Rec. 29', First 17' and shale.	to 6" lime quartsite,	with li	ttle odor, dark gree	balance m shale;	of core	was shale, dolomite
Gore #9:	6577'-6601', 6613'-6645', 6922'-6931',	Res. 2h',	conglomers quartaite, white to ve conglomers tillidarcie	streaks ry light te, ran s on hor:	sandy sha gray quar check in lzontal, 2	de, last rtzitic mud truc 2.68 on v	2' all s sandstone k 5925'-2 ertical.	hale. , grit 926', Per. 10%
	6931'-6945',	Rec. 1h, in parts 1 out core.	nereasing	downward,	, thin str	ingers c	f green a	hale throu
Compai	ny <b>The</b>	Ohio Oil C	current					
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Title Division Superintendent of Production

NOTICE OF INTENTION TO DRILL

(SUBMIT IN TRIPLICATE)

**UNITED STATES** DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Budget Bureau No. 42-R359.1. Approval expires 11-30-49.

Tribal Council

Triball 14-20-603-35 385

### SUNDRY NOTICES AND REPORTS ON WELLS

SUBSEQUENT REPORT OF WATER SHUT-OFF.

	TENTION TO TEST WATER		Crinc				
NOTICE OF INT		SHUT-OFF	SUBS	EQUENT REPORT	OF ALTERING (	ASING.	
	TENTION TO REDRILL OR	REPAIR WELL	SUBS	EQUENT REPORT	OF REDRILLING	OR REPAIR	
NOTICE OF INT	TENTION TO SHOOT OR AC	IDIZE	1	EQUENT REPORT		INT CONT	- 77.7 E.S. 1.
	TENTION TO PULL OR ALT		SUPP	LEMENTARY WELL	HISTORY	KV N	,
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Form 9-331 b (April 1952)

(April 1952)



### (SUBMIT IN TRIPLICATE)



Indian Agency
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U. S. GOVERNMENT PRINTING OFFICE

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### THE OHIO OIL CO HISTORY OF OIL OR GAS WELL

_	(FI	n	WILDCAT
₽-	1 F 1	12	WILDOWN

WELL NO	•	XBOXOTXIK SEC.	10	TWP. 43S	R <u>.</u> _	21E
STATE .	Utah COUNTY San Juan					
	Top of Kelly Bushing ELEV. 5130					
	TOP OF OIL STRINGELEV HISTORY PREPARED	. w Ma	rion W.	Scholes		
MEASUREM	ASF N.Y.C.	itte As	st Geol	ogi st		
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, , , , , , , , , , , , , , , , , , ,	IT IS OF THE GREATEST IMPORTANCE TO HAVE A COMPLETE HISTORY OF THE WELL HISTORY OF ALL IMPORTANT OPERATIONS AT THE WELL. TOGETHER WITH THE DAT SIZE AND NUMBER OF BITS, COMPLETE DESCRIPTION OF CASING. CEMENTING. FI SURVEYS. ALL TESTS. ALL COMPLETION OPERATIONS AND PROCEDURE. ETC.	TES THERE	THIS FORM OF, INCLUD DRILLING	IN REPORTING TO INS SIZE OF HOT DIFFICULTIES.	.t.	
DATE						
L1/8/55	Loading out camp.					
11/9/55						
to	Rigging up camp.					
11/13/55						
11/14/55						
and	migging up camp and working on water well.					
11/15/55						
11/16/55	Rigging up camp, cleaning out cellar and R.U.R.T.	,				
11/17/55	5 RURT					
11/18/55	5 RURT. Laid water line.	•				
11/19/55	5 RURT.					
11/20/55	5 RURT. until 5:00 P.M.; 5:00 - 11:30 P.M. mixing m	nud and	digging	rathole.		
11/21/55	12:00 - 2:00 A.M., digging rathole; 2:00-7:00 A.M. working on torque converter; 7:00 - 10:00 A.M., fi to 4:00 P.M., nippling up blowout preventer; 4:00 dilling mousehole; 8:00 - 12:00 P.M., setting Rot	inished - 8:00	drillir P.M., n	ng rathole; mixing mud a	ind	
11/22/55	5 12:00 - 8:00 A.M., rigged up shale shaker, worked cellar and pressured with 600 psi; okay, and lined 7:00 P.M., mixed mud; 7:00 P.M midnight, reaming rerun; drilled cement plug from 12' - 17' KB (5');	d up ro ng with	tary tak bit #1	ole; 8:00 A - 9 7/8" O	.M	
11/23/55	Reaming ahead. Drilled wooden plug and small amounted trip for bit #2 (HTC, OSC 1 G, 8 3/4") at 87 TD at midnight 1765".	unt of 77'; bi	cement : t #1 gre	from 874' - een when pu	87 <b>7';</b> lled;	
11/24/5	Reaming ahead. Made trip to check condition of bit bridges but no cement; TD at midnight 2760'.	t – oka	ay. Enc	ountered mi	nor	
11/25/5	Reaming ahead. Made trip at 3399' to check condi- no cement; TD at midnight 3904'.	tion of	bit -	okay; more	bridge	s,
11/26/5	Reaming ahead. Conditioned hole and mixed mud 8 l	hours.				

DATE 1/23/56

### THE OHIO OIL CO HISTORY OF OIL OR GAS WELL

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				<b>BKQ</b> XI					
WELL N	10. 1 LEAS			SEC.	10	TWP	435	R	21E
		PARASH							
STATE	Utah	COUNTY	San Juan			orth from			е
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	Top of 011	STRING KB ELEV.	5129' HIS	TORY PREPARED BY	М. J.	England			
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	[GRD. OR M	TEST IMPORTANCE TO HAV	<del></del>	AV AF THE BELL. HE	r THIS FOR	M (M 962001)	NA THE		
	HISTORY OF ALL 11	PORTANT OPERATIONS AT	THE WELL. TOGETHER	WITH THE DATES THE	REOF. INCL	UDING SIZE O	F HOLE.		
	SIZE AND NUMBER	OF BITS, COMPLETE DESCR	IPTION OF CASING. ATIONS AND PROCEDU	CEMENTING, PISHING RE. ETC.	OR DRILLIN	. BIPPICULTI			
					-				
PATE 1955		SUP	PLEMENT	AL HIS	rory				
11/27	T.D. 5152	K.B. Mixing muc	i, washing to	bottom, condit:	ioned ho	le. Made	trip	for	
				rom 5020° to 5		ud record	1: 9.2#	/gal	,
		7.2 c.c le	oss,2/32" cake	, ph 13, vis.	50 sec.				
•• ••									
11/28	T.D. 5303	K.B. Washed to							
				Strapped K.D hole to condi					
				ane Wells. Ra					19/
		ruited di	III bibe 101 D	die wezis. Ru	n Dane W	erra or-r	, 10g t	.0 00	10.
11/29	P.B.T.D. 58	00'K.B. W.O. Lane	Wells to repa	ir caliper. W	.O.O. R	an drill	pipe i	n ho	le
				2 hours. Cam					
		pipe. Ric	gged up to run	5g OD, 14# c	asing.	Ran 134 j	its. 5	",	
		14#, J-55	, 8-R, Smls, R	g 2, Spang new	casing.				
				-1		a 1 a			
11/30	P.B.T.D. 513	86'K.B. Finished:							ing.
				ints, 5259.79'					
			-	t Float Collar at 5273.50' K.					- B
				and pumped 10					
				Ideal Regular					. •
				. water. Bump					•
				g down at 5:20					
				in annulus at					
		_	_	ntralizers at					3.,
				74' K.B. W.O.					
		<del>-</del>	re survey. Cn annulus at 41	ecked P.B.T.D.	at 5194	. K.B. di	na top	or	
		cement in	annurus at 41	.D.					
12/1	P.B.T.D. 51	86' K.B. W.O.C.	Tested casing	with 600 psi.	casing h	ueld.			
,-					•		*		
12/2	P.B.T.D. 51	86' K.B. W.O.C							y
				llars 0' - 2'					
				Paradox forma					
				(4/ft.) by La					on
		Lane Well	5 GR-COLLAR 10	g run 12/2/55. ew tubing and	kan Ba	ker FB Re	etainei	on	
				ew tuping and locks and rigg					
			- Para down n	Tooks and 1199	ed up di	drift TOT Sc	and III	1C •	

<u> 1955</u>	
12/3	P.B.T.D.

- P.B.T.D. 5186' K.B. Finished rigging up drum for sand line and spooled on sand line.

  Rigged up to swab. Swabbed 17 bbls. water off tubing. Let
  formation set 2 hrs, made 2 dry runs. No fluid coming in, formation swabbed dry.
- 12/4 P.B.T.D. 5186' K.B. Made 2 dry runs, formation swabbed dry. W.O. Dowell to acidize.

  In attempt to strip packer rubber on tubing, brake slipped dropping tubing to floor and allowing circulating sub above retainer to open and partly equalize loaded annulus with dry tubing. Reset tool and swabbed tubing dry. Can't keep annular fluid level up. Released retainer and started pulling retainer and tubing.
- 12/5 P.B.T.D. 5186' K.B. Finished pulling retainer and tubing. Dressed retainer and started running tubing and retainer. Drilling line piled up on one side of the drum and jumped between the brake drum and band twisting and bending the brake shaft and spline. Tore down brake and took shaft to town for repairs. W.O. repairs to brake shaft.
- 12/6 P.B.T.D. 5186' K.B. W.O. repairs to brake shaft. Installed brake shaft. Finished running Baker FB Retainer on 2-3/8", 4.7# new tubing and set retainer in 5½", 14# casing at 5068' K.B. Loaded annulus with water and swabbed tubing dry. Tested all Dowell lines and fittings with 6000 psi. Acidized the Paradox-Hermosa Transition zone through perforations in  $5\frac{1}{2}$  casing from 5120-5145' K.B. with 500 gal XF-32, 2000 gal Jel X-500 and 1500 gal XF-32 by Dowell. Flushed with 21 bbls. water. First 2 bbls. acid went into formation at 3100 psi and rate of ½ bbl/min. Formation broke down at 3100 psi, breaking back to 2000 psi with one pump truck. Started pumping with 2 trucks at 3800 psi and rate of 2-4 bbls./min. breaking back to 3400 psi in 14 min. Maximum pump pressure 3800 psi. Average treatment rate 2 bbls./ min. Shut-in pressure at end of treatment 1200 psi bleeding off to 1100 psi in 5 min. Bled about 57 bbls. flush and spent acid off tubing. Swabbed 12 bbls. spent acid with light scum of brown oil. Swabbing from 3300' K.B. W.O. Daylight to swab in test tank.
- 12/7 P.B.T.D. 5186' K.B. Swabbed 49 bbls. spent acid with very light scum of dead brown oil in 8 hrs. Hole swabbed dry at noon 800' of fluid fillup in one hour. Swabbing from bottom at rate of 5-6 bbls/hour. W.O. Paylight to swab test.
- P.B.T.D 5186' K.B. Fluid level at 3200' K.B. 1800' of fluid fillup overnight. Tubing dead-no gas. Swabbed 27 bbls. water with very light scum of dead brown oil in 6½ hours. Believe this is formation water, tastes quite salty. Tubing making no gas. Hole swabbed down at 8:00 a.m., swabbing from bottom at rate at 2-3 bbls/hour. Sand line stranded in kink 300' off bottom with oil saver wedged to line. Cut line and clamped together. Started to pull swab out of hole, line slipped through clamps and went to bottom of tubing, W.O. Baker Oil Tools 2 hours.

 $\frac{1955}{12/9}$ 

P.B.T.D. 5186' K.B. W.O. Baker Oil Tools 2 hours. Picked up blocks, released retainer and pulled 2 stands to sand line. Laid down blocks, spliced sand line, pulled swab, picked up blocks and finished pulling tubing and finished pulling tubing and retainer. Lane Wells ran junk basket to 5123' K.B. Lane Wells made 2 attempts to set bridge plug. W.O. Lane Wells 7 hours to repair equipment. Lane Wells set Baker Model "N2-B" permanent cast iron bridge plug in 5½" casing at 5103.5' K.B. Lane Wells spotted 2 sack cement plug on bridge plug. Estimate top of cement plug at 5087' K.B. Plug spotted at 12:00 midnight.

12/10

P.B.T.D. 5087' K.B. w.O.C. 12 hours. Tested casing with 500 psi for one hour, casing and plug held. W.O. Lane Wells 4 hours to repair equipment. Gun perforated 5½", 14# casing opposite Hermosa-Paradox Transition zone from 5035' - 5070' K.B. with 140 15/32" bullets (4/ft) by Lane Wells. Checked collars 1' - 2' high. Made correction to Lane Wells GR-collar log run 12/2/55 and shot by same. Lane Wells checked P.B.T.D. at 5088' K.B. Started running Baker FB Retainer on 2-3/8", 4.7# new tubing.

12/11

P.B.T.D. 5087' K.B. Finished running retainer and tubing. Set retainer in  $5\frac{1}{2}$ " casing at 5009' K.B. Laid down blocks. Spliced sand line. Swabbed 18.1 bbls. water off tubing. Tubing swabbed dry. Two hour swab test produced  $\frac{1}{2}$  bbl. water with light scum of brown oil. Tested all Dowell lines and fittings with 4000 psi. Loaded annulus with water. Acidized the Hermosa-Paradox Transition zone through perforations in  $5\frac{1}{2}$ " casing from 5035' - 5070' K.B. with 500 gal. XF-32, 2000 gal Jel X-500 and 1500 gal XF-32. Flushed with 21.5 bbl: water. No evidence of formation breakdown. Maximum pump pressure 4200 psi. Pressure went from 3000 psi to 4000 psi when Jel  $\chi$ -500 hit the formation, pumping with one truck. Pressure broke back to 3800 psi in 44 min. and 3200 psi in 48 min. Average treatment rate 1.5 bbls./min. Shut-in pressure 1100 psi. Flowed back flush and spent acid for 25 min. and spent acid with light scum of brown oil for 20 min. Then flowed heavy B-S emulsion for 12 min. and cleaned up flowing spent acid and oil (10-15% oil) for 18 min. Well dead after flowing la hours. Tubing blowing gas sporadically. Flowed 2.6 bbls. fluid from 4:30 to 6:00 p.m. and dead rest of of night. Well flowed in reserve pit. W.O. Daylight to swab in test tank.

12/12

P.B.T.D. 5087' K.B. Fluid level at daylight at 400' K.B. Swabbed 75 bbls. total fluid 52.5 bbls. 33.2° gravity oil and 22.5 bbls. formation water in 6½ hours. Average water cut 30%. Well flows by heads for 3-5 min. after pulling swab. Swabbing from bottom at rate 11.5 bbls./hr. Swabbing fluid level holding up with 1000' of fluid about 800' of additional fluid fillup in 40 min. W.O. Daylight to swab test.

1955			
1955 12/13	P.B.T.D.	5087' K.B.	Fluid level at 7:00 a.m. at 3200' K.B., 1800' of fluid. Swabbed 83 bbls. total fluid - 78 bbls. 33.2° gravity oil and 5 bbls. formation water in 7½ hours. Average water cut 6%. Swabbing from bottom at rate of 11.25 - 12.5 bbls./hr. Well quite lively, unloads oil ahead of swab. Swabbing with 800' of fluid, about 1000' of additional fillup in 24 min. W.O. Daylight to swab test.
12/14	្រ.គ. <b>ក</b> ក្	50871 P D	

- 12/14 F.B.T.D. 5087' K.B. Fluid level at 8:30 a.m. at 3200' K.B., 1800' of fluid. Swabbed 72.5 bbls. total fluid 59.1 bbls. 33.2° gravity oil and 13.4 bbls. formation water in 6½ hours. Average water cut 18.5%. After well swabbed down this morning, water cut averaged 12.3% for rest of day. Couldn't swab well dry. Swabbing from bottom at rate of 8-3/4 bbls./hr. Total swabbed from this zone (5035'-5070') 190 bbls. 33.2° gravity oil and 41 bbls. formation water. W.O.O. 5 hours: Picked up blocks to pull tubing.
- 12/15 P.B.T.D. 5087' K.B. Rigged up to pull tubing. Released retainer and pulled tubing and retainer. W.O. Lane Wells to repair equipment  $5\frac{1}{2}$  hours.
- P.B.T.D. 5087' K.B. W.O. Lane Wells to repair equipment. Gun perforated 5½" casing opposite Hermosa-Paradox Transition zone from 4980'-5005' K.B. with 100 15/32" bullets (4/ft) by Lane Wells. Checked collars 1' high. Made correction to Lane Wells GR-collar log run 12/2/55 and shot by same. Lane Wells checked P.B.T.D. at 5089.5' K.B. Lane Wells ran junk basket with 4-7/8" OD gauge ring to 5010' K.B. Fluid level while perforating at 2250' K.B. Ran Baker Model "C" Retrievable Bridge Plug and Baker FE Retainer on 2-3/8" EUE tubing. Set Baker Metrievable Bridge Plug in 5½" casing at 5025' K.B. Circulated the hole full of water. Set Baker FB Retainer in 5½" casing at 4916' K.B. Pressured tubing with 500 psi for 30 min. tubing, bridge plug and retainer held. Laid down blocks and rigged up to swab. Swabbed 17.6 bbls. water off tubing. Tubing swabbed dry. W.O. Daylight to acidize.
- P.B.T.D. 5087' K.B. Fluid level at daylight at 4000' K.B. about 1000' of fluid. Swab-12/17 bed 3 bbls. water with light scum of brown oil in 1 hour. Don't think this is formation water - tastes fresh. Tubing swabbed dry. Tested all Dowell lines and fittings with 5000 psi. Acidized the Hermosa-Paradox Transition zone through perforations in  $5\frac{1}{2}$ " casing from 4980'-5005' K.B. with 500 gal XF-32, 2000 gal Jel X-500 and 1500 gal XF-32. Flushed with 21 bbls. water. No formation breakdown. Maximum pump pressure 5200 psi at rate of 2 bbls./min. with 2 pump trucks. Pressure went from 3500 psi to 4800 psi when the Jel X-500 hit the formation, pumping with 2 trucks. Pressure broke back to 3800 psi in 7 min. 330 psi in 24 min. and 2500 psi in 34 min. Average treatment rate 2.3 bbls./min. Shut-in pressure 1100 psi. Flowed back 47.5 bbls. flush and spent acid in one hour. Swabbed 71.5 bbls. spent acid with a light show of brown oil (increasing in quantity late in the afternoon) and 2.5 bbls. formation fluid, 35% oil. W.O. Daylight to swab test.

1955 12/18	P.B.T.D.	5087*	K.B.	Fluid level at daylight at 3300' K.B. 1700' of fluid. Swabbed 93.5 bbls. total fluid - 37.7 bbls. 33.1° gravity oil and 55.8 bbls. formation water in 7½ hours. Average water cut 59.8%. Water cut averaged 72.7% this morning and 46.9% this afternoon. Swabbing from bottom at rate of 9 bbls./hr. Couldn't swab well dry. W.O. Daylight to swab test. Drained 78.75 bbls. water off tank for a check water cut of 84.2%.
12/19	P.B.T.D.	5087 <b>'</b>	K.B.	Fluid level at daylight at 4200' K.B. 800' of fluid. Swabbed 45 bbls total fluid - 18.0 bbls. $33.1^{\circ}$ gravity oil and 27 bbls. formation water in $7\frac{1}{2}$ hours. Average water cut 60.0% after well swabbed down this morning, water cut varied from 41-85%. Swabbing from bottom at rate of 2.5 - 3 bbls./hr. Drained 24.5 bbls. water off tank for a check water cut of 56%. W.O. Daylight to swab test.
12/20	P.B.T.D.	5087*	K.B.	Fluid level at daylight at 4200' K.B., 800' of fluid. Swabbed 45.3 bbls. total fluid - 17.4 bbls. 33.1° gravity oil and 27.9 bbls. formation water in 8 hours. Average water cut 61.6%. After well swabbed down this morning, water cut varied from 52- 78%. Swabbing from bottom at rate 2 bbls./hr. Good blow of gas from tubing after each swab run. Drained 25.5 bbls. water off tank for a check water cut of 56.0%. W.O. Daylight to re-acidize.
12/21	P.B.T.D.	5087*		Tested all Dowell lines and fittings with 6000 psi. Re-acidized the Hermosa-Paradox Transition zone through perforations in 5½" casing from 4980'-5005' K.B. with 1000 gal XF-32, 1500 gal Jel X-500 and 3500 gal XF-32 by Dowell. Flushed with 21 bbls. water. No formation breakdown. Maximum pump pressure 3400 psi at rate of 7 bbls./min. with 2 pump trucks. Pumped 6 bbls. XF-32 into formation at 1000 psi and rate of 6 bbls./min. Shutdown to repair leaking connection. Tubing went on vacuum. Started pumping with 2 trucks, pressure went from 2000 psi to 3200 psi when Jel X-500 hit the formation. Maximum pump pressure 3400 psi. Average treatment rate 5.7 bbls./min. Shut-in pressure 700 psi, well went on vacuum in 20 min. Swabbed 25.7 bbls. flush and spent acid. Well flowed 5.1 bbls. spent acid in 1½ hrs. from 3:00 - 4:30 p.m. Swabbed 53.7 bbls. spent acid with very light show of oil in 6½ hrs. Swabbing from bottom at rate of 8.5 - 9 bbls./hr. Tubing blows a little after each swab run.

P.B.T.D. 5087' K.B. Swabbed 6.1 bbls. spent acid with very light show of oil on morning tour. Fluid started unloading ahead of swab. W.O. Daylight. Fluid level at 4200' K.B. this morning, 800' of fluid. Swabbed 56.6 bbls. spent acid, samples from last 4 runs cut 40-50% oil. Swabbing from bottom at rate of 3.5 - 4 bbls./hr. Well quite lively at times.

1	9	5	2	
1	2	7	2	3

P.B.T.D. 5087' K.B. Fluid level this morning at 4200' K.B., 800' of fluid. Swabbed 29.7 bbls. oil yesterday even though haven't recovered all of the acid. Swabbed 34.7 bbls. total fluid in 6½ hrs. - 19 bbls. spent acid (about 20% oil) and 15.7 bbls. formation fluid, 64% water. Swabbing from bottom at rate of 3.5 bbls./hr. Well not too lively, no increase in fluid level when shut-in for 1½ hours, about 800' of fluid. Shutdown at midnight for Christmas. Drained 22 bbls. water off tank for a check water cut of 65%.

- 12/24 12/26
- P.B.T.D. 5087' K.B. Shutdown for Christmas. Started up at midnight 12/26/55 ready to swab.
- 12/27
- F.B.T.D. 5087' K.B. Fluid level this morning at 4200', 800' of fluid. Swabbed 14 bbls. total fluid in 2 hours. 70% water. Swabbing from bottom at rate of 4 bbls./hr. when shutdown to pull tubing. Swabbing fluid level holding up with 500' 600' of fluid in hole. Drained 7.7 bbls. water off tank for a check water cut of 55%. Rigged up to pull tubing. Released retainer, picked up retrievable bridge plug and came out of hole. Gun perforated 5½" casing opposite Hermosa-Paradox Transition zone from 4910' 4949' K.B. with 120 15/32" bullets (4/ft) by Lane Wells. Checked collars 1' low. Made correction to Lane Wells GR-collar log run 12/2/55 and shot by same. Lane Wells checked P.B.T.D. at 5087.5' K.B. Lane Wells ran junk basket with 4-7/8" OD gauge ring to tight spot at 4921' K.B. Total swabbed from this zone (4980'-5005') 285 bbls. flush and spent acid, 84 bbls oil and 132 bbls. formation water.
- 12/28
  - P.B.T.D. 5087' K.B. Worked basket 2 hours trying to get below 4921' and worked ½ hour freeing stuck basket at same point. W.O. Baker Casing Scraper 8 hours. Ran Baker Casing Scraper in 5½" casing on 2-3/8" tubing to 4970' K.B. Pulled casing scraper and ran Baker FB Retainer and Model "C" Retrievable Bridge Plug on 2-3/8" tubing. Set Baker Retrievable Bridge Plug in 5½" casing at 4965' K.B. and Baker FB Retainer at 4856' K.B. Loaded annulus with 72.5 bbls. water. Filled tubing with 15 bbls. water and pressure tubing with 500 psi for one hour, tubing retainer and bridge plug held. Rigged up to swab.
- 12/29
- P.B.T.D. 5087' K.B. Swabbed 18 bbls. water off tubing. Tubing swabbed dry. Waited 2 hours and made 2 dry runs. No formation fluid coming in. Tested all Dowell lines and fittings with 6000 psi. Acidized the Hermosa Paradox Transition zone through perforations in 5½" casing from 4910' 4940' K.B. with 500 gal. XF-32, 2000 gal Jel X-500 and 1500 gal XF-32 by Dowell. Flushed with 20 bbls. water. No formation breakdown. Maximum pump pressure 4900 psi at rate of 2 bbls./min. with 2 pump trucks. Pressure went from 4000 psi to 4600 psi when Jel X-500 hit the formation. Pressure broke back to 4100 psi in 47 min. and 3000 psi in 49 min. Average treatment rate 3.3 bbls/min. Shut-in pressure 850 psi bleeding off to 550 psi in one minute. Flowed back 5 bbls. flush in 15 min. Swabbed 56 bbls. flush and spent acid and 13 bbls. oil in 7 hours. Well getting quite lively with a show of gas and oil increasing in quantity up to 36% oil. Average water cut today 82%. W.O. Daylight to swab test.

Higher and the common weak.
Navaju gajuran

 $\frac{1955}{1273}$ 

- 101.6 bbls. total fluid 76.2 bbls. spent acid and 25.4 bbls. oil in 8½ hours. Average water cut 75%. Swabbing from bottom at rate of 8 bbls./hr. Swabbing fluid level holding up with 1000' of fluid, water cut varied from 59-80% this afternoon. Tubing makes a little gas after each run. Drained 61 bbls. water off tank for a check water cut of 60%. W.O. Daylight to swab test.
- 12/21 %.1.1. 508/' K.B. Fluid level this morning at 3800' K.B., 1200' of fluid. Swabbed 72.5 bbls. total fluid 27.5 bbls. oil and 45 bbls. formation water in 8½ hours. Average water cut 62%. Swabbing from bottom at rate of 8 bbls./hr. Swabbing fluid level holding up with about 1000' of fluid. Water cut baried from 46% 82% this afternoon. Drained 41 bbls. water off tank for check water cut of 56.5%. Snutdown at midnight for New Year's Day.
- 1/1.56 states. Stat? K.H. Shutdown.
- 1/2/36 Party.D. 5087 K.B. Fluid level this morning at 4000' K.B., 1000' of fluid. Swabbed 68.5 bbls. total fluid 26.7 bbls. 33.2° gravity oil and 41.8 bbls. formation water in 8½ hours. Average water cut 61%. Swabbing from bottom at rate of 7.5 bbls./hour. Swabbing fluid level at 4200' K.B.. Water cut varied from 50-86% this afternoon. Drained 34.4 bbls. water off tank for a check water cut of 50.2%. W.O. Daylight to swab test.
- 175 M. F.W.T.J. 5657 K.B. Fluid level this morning at 4000' K.B., 1000' of fluid. Swabbed 40.4 bbls. total fluid 15.4 bbls. 33.2° gravity oil and 25.0 bbls. formation water in 6 hours. Average water out 62%. Swabbing from bottom at rate of 6.5-7 bbls./hr. Water out varied from 54-83% this afternoon. Total swabbed from this zone (4910-5005' K.B.): 139 bbls. flush and spent acid, 108 bbls. 33.2° gravity oil and 112 bbls. formation water. Rigged up to pull tubing. Released retainer and bridge plug and came out of hole.
- 1/4/56 PARTIME 5087 K.B. Ran 2-3/8" tubing to swab test all 3 zones open with seating nipple at 4940' K.B. Rigged up to swab. Swabbed 76.7 bbls. load water, 0-5% oil in 12 hours. Spliced sand line. Swabbing from bottom at rate of 6.5 bbls./hr. Well showing very little life. Casing shut-in casing pressure builds up at rate of 4.5 psi/hr. C.P. at 11:00 p.m 37 psi.
- 1/5/th 2.3.1.0. 50874 Kub. Swabbed 16.8 bbls. load water, 5-10% oil in 5 hours. Well beginning to show some life. Spliced sand line. Swab fell to bottom (no brake) running sand line. Pulled sand line off drum. Have recovered 93.5 bbls. of estimated 266 bbls. load water in hole.
- 1/6/st P.B. Isb. 5067 K.B. Rigged up to pull and lay down 2-3/8" tubing. Laid down 162 joints 2-3/8" EUE tubing. W.O. 2-7/8" EUE tubing. Jetted the pits and cleaned up around rig.

History or Oil or Jas well Navajo #1, Utah

1955

P.B.T.D. 5087' K.B. B & R Service Company ran BHP survey to datum at 5035' K.B. w.O. 2-7/8" tubing. Unloaded 169 joints 2-7/8" EUE new tubing, 147 sucker rods and 60 scraper rods. Started running 2-7/8" EUE tubing.

1/8

P.B.T.D. 5087' K.B. Finished running tubing. Checked PBTD with tubing at 5086.38' K.B. Ran 3/4" rods. Subsurface equipment landed as follows:

27.76' - 1 joint 2-7/8" EUE 6.5# J-55 8-R tubing anchor, bull plugged with 5.66' of 3/8" x 3" slots at bottom.

90.67' - 3 joints 2-7/8" EUE 6.5# J-55 8-R Rg 2 new tubing.

1.13' - Seating nipple

4928.22' - 160 joints 2-7/8" EUE 6.5# J-55 8-R Rg 2 new tubing. Average joint length 30.80'

23.36' - 4' - 9' - 10' 2-7/8" EUE tubing pups.

5071.14' - Net tubing landed 10.30' below K.B. and 4.94' off bottom at 5081.44' K.B. with seating nipple at 4961.88' K.B.

137 - 3/4" x 25' National new sucker rods

60 - 3/4" x 25' Oilwell new scraper rods

1 - 3/4" x 2' pony rod on pump.

1 - 1 - 1/4" x 22' new polish rod

1 - 2-1/2" x 2" x 12' Special Volume Producer Pump

Rig released at 12:00 midnight 1-8-56.

DATE 9/20/56

# THE OHIO OIL CO HISTORY OF OIL OR GAS WELL

FIELD WILDCAT

WELL N			10	TWD	A 9C	D 612
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STATE			1,		$\sum_{i=1}^{n} x_i$	
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MEASURE	TOP OF OIL STRING ELEV. HISTORY PREPARED	BY	E. L.	Spieles		
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	HISTORY OF ALL IMPORTANT OPERATIONS AT THE BELL. TOGETHER WITH THE DATESIZE AND NUMBER OF SITS. COMPLETE DESCRIPTION OF CASING. CEMENTING. FI	ES THERE	OF, INCL	UDING SIZEW	F HOLE.	
DATE						
	SUPPLEMENTAL HI	s T o	R Y	: . *		
				tion of the second of the seco		
1/9/56	To put on pump.		•			*
1/10/56	Putting on pump.					
1/11/56	PB 5103". Pulled retainer and 2" tubing. Ran 2- to set pump unit.	7/8"	tubing	and rods	. Pre	paring
1/12-13/56	Putting on pump.					•
1/14/56	Started pumping 5 p.m. 1/13/56. First 13 hrs. ma	de 11	l bbls.	fluid c	ut 70%	water.
1/15/56	Pumped 51 bbls. fluid in 19 hrs., 75% water, star	ting t	to show	some sa	lt wat	er.
1/16-19/56	Not pumping right, to pull pump.					
1/19-24/56	Static.					
1/25/56	Pulled rods and pump, flushed tubing with 36 bbls Back on pump, made 38 bbls. 17 hrs. mostly oil, s	. cructartin	de, in	on vacuu how litt	m, 31 m	mins. er.
1/26/56	Pumping.					
1/27-28/56	Pumping.					
1/29/56	Pumped 115 bbls. fluid 75 hrs., cut 50% - 57 bbls	. oil,	, 58 bb	ls. wate	r.	, ·
1/ <b>30/</b> 56		-				

DATE
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2/9/56 6945" PB 5103". Pump tested about a week, made 108 bbls. fluid - 57 water, 51 oil. Shut-in 3 days, back on test, the following are hourly gauges starting at 11:30 a.m. 2/7/56. 11:30 to 12:30 - 4-1/2 bbls. To 1:30-2-1/2 bbls., to 2:30 2-1/2 bbls. to 3:30 2-1/2 bbls. To 4:30 1-3/4 bbls. To 5:30 1-3/4 bbls., To 6:30 1-3/4 bbls. To 7:30 - 1-1/2 bbls. To 8:30 - 2 bbls. To 9:30 1 bbl. to 10:30 1 bbl. To 11:30 1 bbl. To 12:30 1 bbl. 12:30 to 7 a.m. made 5 bbls. fluid. 7 to 8 a.m. - 1-1/4 bbl. To 9 1 bbl. to 10 - 1/2 bbl. to 11 - 1/2 bbl. To 12 - 1/2 bbl. Made total 31 bbls. fluid, 24 hrs. cut 60% water.

2/10-21/56

Testing and static.

2/22 - 3/7/56

Preparing to reacidize.

» 3/8/56

Set retainer at 5023', to acidize today.

3/9/56

6945

PB 5103'. Set retainer at 5023'. Acidized w/20,000 gals.

3/10/56

Acid. Ran 10,000 gals. Jell X down tubing, closed annulus, started pumping in another 10,000 gals. frac acid, pressure at 1200#, pressure went to 1800#, pressure on annulus 500#. Displaced with water, pressure gradually dropped to 1100#. Immediate SI pressure 900# dropped to 800# in 5 mins. Disconnected, flowed back 5 bbls. acid water.

3/11/56

Swabbed 45 bbls. acid fluid, making some gas, shutdown over night. 3/9 swabbed 109 bbls. frac acid and water. When swabbed 50 bbls. annulus, started making some gas. Fluid at 2500', 2500' fluid in hole. Total swabbed 154 bbls.

3/12/56

Annulus pressure 150#, 1000' fluid in hole. Swabbed 110 bbls. fluid, started at 10-12 bbls. per hr. end of day 8 bbls. per hour. Total 264 bbls. swabbed 1000' fluid in hole. 3/11. Fluid at 1000', C.P. 90#. Started swabbing rate 10 bbls. per hr., end of day 4 bbls. per hr. Last 50 bbls. showing little salt water, 80% water, 20% oil.

3/13/56

C. P. 180#, fluid at 4400' K.B., 600' in hole. Swabbed 42 bbls. fluid 70%
water 11 hrs. C.P. 200# end of tour.

3/14/56

Ran rods, started pumping 4:15 p.m., pumped up in 2 hrs. 5 mins. C.P. increased to 225#.

3/15/56

Pumped 92 bbls. fluid 24 hrs., 60% water.

3/16/56

Pumped 78 bbls. fluid 20 hrs., cut 60% water. Total load fluid 515 bbls., total fluid out 545 bbls.

DATE	
3/17/56	Pumped 83 bbls. fluid, cut 50% water 24 hrs 3/15. On 3/16 were unable to get pumping.
3/18/56	Bumped valves, pumped 41 bbls. fluid 90% water 24 hrs.
3/19/56	Pumped 14 bbls. fluid, 13 hrs. 100% water.
3/20-30/56	To plug and abandon.
3/31/56 6945"	Plugged and abandoned March 31, 1956.
	Procedure: Squeezed perfs. Pumped in 120 bbls. water followed by 100 sacks of 17# slurry. Went in on vacuum, let set 3 hrs. Pumped in another 100 sacks, got 1200# with 12 bbls. to 1400#, let set 45 min. and pumped 1/2 bbls. to 3500#, leaked to 3000# in 30 min. Pumped up to 3500#, held this pressure for 30 min. Calculated top 4850*, top checked with cable tools 4825*, top perforation 4910*. Stacking tubing and rods at Red Mesa.

ELS:wl

The Chio Cil Co.

P. O. Box 120 Casper, Wyoming

June 6, 1956

Oil & Gas Conservation Commission State of Utah Salt Lake City 14, Utah

Gentlemen:

We are herewith enclosing two copies of each of the following on the well Navajo No. 1, a wildcat in San Juan County, Utah:

Lane Wells Radioactivity Log Microlog Electrical Log

Very truly yours,

L. C. Powell

Division Engineer

LCP:jb

Enc.



# THE STATE OF UTAH OIL & GAS CONSERVATION CONTHISSION Salt Lake City 14, Utah

August 27, 1956

The Ohio Oil Company P. O. Box 120 Casper, Wyoming

### Gentlemen:

It has come to the attention of this office that well no. Nevelo.

No. 10. Nevelo.

Nep. 43.8. Range 25.7 Son Tuen County, has been completed, plugged and abandoned, or shut down as of 3/31/56.

Rule C-5 (a), General Rules and Regulations and Rules of Practice and Procedure, Utah Oil and Cas Conservation Commission, provides that within 90 days after the suspension of operations, abandonment of, or the completion of any well drilled for the production of oil or gas and within 90 days after the completion of any further operations on it, if such operations involved drilling deeper or drilling or re-drilling any formation, the well log shall be filed with the Commission, as well as a copy of the electric and radioactivity logs, if run.

If our information is correct, will you please forward the well log or logs to this office as required by the above mentioned rule. If our information is not correct, will you so notify us.

Yours very truly.

OIL & CAS CONSURVATION CONMISSION

CLEON B. PEICHT

CBF:ro



P. O. Box 120 Casper, Wyoming

September 24, 1956

Utah Oil and Gas Conservation Commission State Capitol Building Salt Lake City 14, Utah

Attention: Mr. Cleon B. Feight

Gentlemen:

Referring to your letter of August 27, 1956, regarding our Navajo well #1 in T 43 S, R 21 E, San Juan County, Utah, please be advised that this well was plugged and abandoned on March 31, 1956.

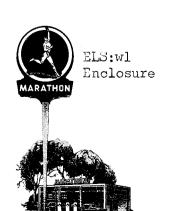
We are enclosing a Supplemental History on this well which sets forth daily operations performed in an attempt to complete this well as a commercial producer. I believe that this daily log will suffice you so far as work performed on this well.

Under the date of July 6, 1956, we forwarded to you, copies of the Lane Wells Radioactivity log and the Schlumberger Microlog and Electrical log.

I am sorry that we neglected to send to you a copy of the well log at the time we furnished you copies of the other logs and hope that this oversight did not inconvenience you too much.

Very truly yours,

E. L. Spieles Asst. Div. Engr.



September 28, 1956 Re: Navajo Well No. 1. in Township 43 South, Range 21 East, San 76ted 10/2/56 CAX Juan County, Utah The Ohio Oil Company P. 0. Box 120 Casper, Wyoming Attention: E. L. Spieles Gentlemen: This is to acknowledge receipt of your letter of September 24, 1956, and the enclosed well log for the above mentioned well. Thankyou for your cooperation in this matter. I remain, Sincerely yours, OIL & GAS CONSERVATION COMMISSION CLEON B. FEIGHT SECRETARY CBF:en



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Form 9-330

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U. S. LAND OFFICE SERIAL NUMBER ...

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

### LOG OF OIL OR GAS WELL

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Well 1	No <b>1-10</b>	Sec. <b>10</b> _ '	Г. <b>43</b> g <sub>-</sub> R. <b>21</b>	g Mer	idian	Co	unty	San Juan	·
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$\mathbf{T}$	he inform	nation given h	erewith is a	complet	te and corre	ct record of the w			
so far	as can be	determined f	rom all avail	able rec	ords. gned	F. Lenda	ll.		
Date		March 26	1964		រំប្រាក់ ប <i>្បុរ</i> ្តិនៅប្	Title	Staff	Assistant	(et
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Comm	ienced dri	lling Alberta	May 6	, 19	54 Finisl	hed drilling	August	<b>21</b> , 19	54
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Size casing	Where set	Number sacl	s of cement	Method u	sed	Mud gravity	Amount of mud	used
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-6 <b>}</b>	527950		300	punj			<del></del>	***********
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				TOOLS US	ED			
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				DATES				
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The p	roduction fo	or the first 2	4 hours was	b	arrels o	f fluid of which	% was oil;	
mulsion ·	oz wate	er; and	% sediment			Gravity ORA		
	1							
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HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

This well was drilled to a total depth of 6945' and was plugged and abandoned on August 22, 1954. Cement plugs were placed as follows: 6945 to 6795', 6250 to 6100', 5950 to 5800', 5100 to 4900', 4200 to 4000', 2300 to 2150', 2000 to 1750', 950 to 850', 10 sacks in top of surface casing. Total 490 sacks.

On November 30, 1955, the well was re-drilled to 5304' and 54" 14# casing was run and cemented at 5273' with 300 sacks.

Too test the Paradox, casing was perforated as follows: 5120-45', 25 shots.

Tested water. Set bridge plug at 5109'. Dumped 2 sacks cement on top. Perforated 5035-70' with 140 shots. Tested water. Set bridge plug at 5020'. Perforated 4980-5005' with 100 shots. Tested water with scum of oil. Perforated 4910-40' with 120 shots.

Tested on pump January 13, 1956 to March 19, 1956. Average production 65 bbls. of fluid per day, 60% water.

Plugged March 31, 1956. Squeezed perforations with 200 sacks. Checked top of plug in 54" casing at 4850'. Suspended.

The estimate which is hereinter a confidency and representative the well and all work come the

MARANTE OF THE MIRROR





### MARATHON OIL COMPANY

FORMERLY THE OHIO OIL COMPANY

P. O. Box 120 Casper, Wyoming

March 26, 1964

Utah Oil and Gas Conservation Commission 310 Newhouse Building 10 Exchange Place Salt Lake City, Utah

Gentlemen:

Enclosed are four copies of form 9-331b, Notice of Intention to Abandon Navajo 1-10 in the Chinle Wash Field, San Juan County, Utah. Also enclosed is a copy of the Log of Oil Or Gas Well, Form 9-330 as submitted to the U.S.G.S.

Please call this office collect - Area Code 307 - 235-2511, Extension 361, as soon as permission for this job is granted.

Yours very truly,

H.g. Bruntel

H. J. BRUNT, DIVISION SUPERINTENDENT OF OPERATIONS

HJB/EFL/rlw Enclosures.

File

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Budget Bureau No. 42-R359.4. Approval expires 12-31-60.

Indian Agency Liavajo
Tribal Council
Allottee Tribcl
Lonso No. 14-20-603-005

# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

### SUNDRY NOTICES AND REPORTS ON WELLS

	1	1		7
NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF		-
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING		-
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING		
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR		
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT		
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY.		
NOTICE OF INTENTION TO ABANDON WELL				
(INDICATE ABOVE BY CHECK MAI	RK NATI	JRE OF REPORT, NOTICE, OR OTHER DATA)		4
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**		arch 13,	, 19 09	
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	ty or Su	bdivision) (State or Territory)		• •
Grou	ind			
The elevation of the derrick floor above sea	level i	is <u>5110</u> ft.		
DET	AILS	OF WORK		
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(State names of and expected depths to objective sands; show ing points, and all This well has been shut in since 3-3 don member of the Hermona formation. well after salvaging approximately 4 be set as follows: Plug #1: 30 san Plug #3: 100 san Plug #4: 40 san Plug #5: 10 san ill fill interval between plugs with inspection.	sizes, will other 1-19! It 000' eks class cks cks cks cks cks cks	eights, and lengths of proposed casings; indicate mudding joint important proposed work)  56 following uncommercial tests of is our intention to plug and abance of 5'3', 143', J-55, ord casing. For some from 3950-4950'  coment from 3950-4950'  coment from 1750-3000' 2000' 2000' coment from 850-950'	the iden the lugs of the lugs	Pers his will
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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

	Budget Bureau No. 42-1359.4. Approval expires 12-31-60.
	Indian Agency 170V0 10
	Eribal Council
RIOR	Allottee Tribal
	Lease No. 14-20-603-335

### SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF WATER SHUT-O	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF SHOOTING OR	· 1 · 1 ;
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF ALTERING CASI	\ <b>\</b>
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO ABANDON WELL	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ADARDON WELL		
(INDICATE ABOVE BY CHE	CK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)	
	liarch 13.	. 19 64
Promo de		, 19.00
liavajo	TIND.	չ. Ն
Well No. 1-10 is located 760	ft. from S line and 760 ft. from V	line of sec. 10
HT: SN: HA Sec. 10 438 (4 Sec. and Sec. No.) (Twp.)	217	* - *
(14 Sec. and Sec. No.) (Twp.)	(Range) (Meridian)	
Chinle Vash	ian Juan - Uta	111
(Field)		or Territory)
77 1	Ground	
. The elevation of the derrick floor above	scalevel is 2119 ft.	
	DETAILS OF WORK	
(State names of and expected depths to objective sands ing points This well has been shut in since	; show sizes, weights, and lengths of proposed casings; in and all other important proposed work)  3-31-1956 following uncommerci:	il tests of the Para
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(State names of and expected depths to objective sands ing points. This well has been shut in since don member of the Hermosa format well after salvaging approximate be set as follows: Plug #1: 3: Plug #1: 3: Plug #3: 10: Plug #3: 10: Plug #4: #  Plug #4: #  Plug #5: 10:  Plug #6: #6  Plug #6  Plug #6: #6  Plug #6: #6  Plug #6: #6  Plug #6  Plug #6  Plug #6: #6  Plug #6: #6  Plug #6  Pl	show sizes, weights, and lengths of proposed casings; in and all other important proposed work)  3-31-1956 following uncommercial from 1156 following uncommercial from 1150 following uncommercial fr	el tests of the Para is and abandon this cacing. Plugs will prepare location for whell I ENGINEER tions may be commenced.

11.

No

### PLUGGING PROGRAM FORM

	Name of Company Marshon Oil C. Verbal Approval Given To: N. & Brunt
	Well Names navojo 1-10 Sec. 10 T. 435 R. 2/E Countre San Jean
	Verbal Approval was given to plug the above mentioned well in the following manner!
()	Corner / plugs from T. D. (6945) to 5773ft
b)	Cerrent plugs from T. D. (6945) the 5773 ft 5½" Corry set at 5273 with 30 or coment. Perforation from 5-120 to 5035 isolated with bridge plugs and coment. — 4 4910 squeezel with exast.—
c)	Perforation from 5-120 Nr
L)	Perforation from 5-120 to 5033 works.  plup and cement,  Perforation from 5005 ft to 4910 squeezelwith exast.  Perforation from 5005 ft to 4910 squeezelwith exast.  top of coment plug in 5's corresp at 4850  cut 3's earny at ~ 4000 ft and place 3026  from 3 950 - 4050  from 3 950 - 4050
	top of coment play in 50 and place 30 sh
el	Cat 35 earny at 12
	from 3 430 - 400
f)	
9)	40 sb from 8 50 to 860 - 3000
()	40 so fred en coment a suface so 4.5. Is. 5. requested no coment a suface so
<i>J</i> 1 /	It this well can be
	water use in the future.

Date Verbally Approved: March 30, 1864 Signed: Caul M. Bunchell

Q.



Form (A)	n 9-: pril 19	331 b 52)	



### Copy Who

(SUBMIT IN TRIPLICATE)

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DEP/	ARTMENT	OF	THE	INTERIO
	GFOI OG	CAI	SHE	VFY

	Budget Bureau No. 42–R359. Approval expires 12–31–60.	4
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dian Agency	Navajo	

Tribal Council

Allottes	Triba	1	
MILOTOE			 

Lease No. 14-20-603-385

### SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF WATER SHUT-OFF
	1	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

			May 19	, 19 <u>_64</u> _
Navajo Well No. <u>1-10</u> is loca	ted 760 ft. from		and 760 ft. from $\{XX\}$ line of sec	
Sw Sw		(n)	(w)	
NEX-SEX-SEX, Sec. 10	43-S 21	L-E		
(14 Sec. and Sec. No.)	(Twp.) (	Range)	(Meridian)	
Chinle Wash	San Juan		Utah	
(Field)	(County or	Subdivision)	(State or Te	critory)
The elevation of the derrick f	Ground	lie 5 118 ff		

### **DETAILS OF WORK**

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cement-ing points, and all other important proposed work)

Shot off 52" casing at 1750' and Recovered same Set 40 Sack Plug on top of 5½" Stub Set 40 Sack Plug from 950' to 850' Left hole open from 850' to surface and filled with water per instructions on Notice of Intention to Abandon by Mr. Paul W. Burchell. Location cleaned and leveled Marker set. Ready for inspection

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. Company Marathon Oil Company Address P. O. Box 120 Casper, Wyoming Title DIVISION SUPERINTENDENT OF Copy (2): Oil & Gas Conservation Commission **OPERATIONS** State of Utah 310 Newhouse Building

Salt Lake City 11, Utah